

Abstract

Locating a plurality of data records stored linearly on a data storage medium includes: reading data relating to the plurality of data records stored on the data storage medium from a memory device associated with the data storage medium, the memory device being separate from the data storage medium; determining a position of the data record on the data storage medium for each data record to be read in response to the data read from the memory device relating to the plurality of data records stored on the data storage medium; and determining an order in which to read the plurality of data records from the data storage medium in response to the determined positions and the data records on the data storage medium to minimize time needed to read the plurality of data records.